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APPLICATION NO	FILIT	NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/625,979	07/24/2003		Nagaraj Jayanth	0315-510CPA	1700		
27572	7590	07/19/2006		EXAM	EXAMINER		
HARNES P.O. BOX	S, DICKEY	TANNER,	TANNER, HARRY B				
	ELD HILLS,	MI 48303		ART UNIT	PAPER NUMBER		
	,			3744			
			DATE MAIL ED: 07/19/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/625,979	JAYANTH ET AL.					
Office Action Summary	Examiner	Art Unit					
	Harry B. Tanner	3744					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)⊠ Responsive to communication(s) filed on <u>02 Ma</u>	ay 2006.						
2a)⊠ This action is FINAL . 2b)☐ This	· · · · · · · · · · · · · · · · · · ·						
3) Since this application is in condition for allowan	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>38-50</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>38-50</u> is/are rejected.	i)⊠ Claim(s) <u>38-50</u> is/are rejected.						
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
<u> </u>							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
,							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date							
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)							
Paper No(s)/Mail Date 6) Uhher:							

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 38-47 and 49-50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sharood et al in view of Wiggs and Gromala et al. Sharood discloses a compressor assembly having a compressor connected to an electric motor and an electrical plug 2650 with electronic circuitry including current sensing means and voltage sensing means (see col. 9, lines 13-28) integrated into the electrical plug for diagnosing problems with the system including determining how long the compressor has been on (see col. 27, line 42 to col. 28, line 64) and communicating to an intelligent device such as a computer 190 having a visual display. Wiggs teaches monitoring the status of compressor motor protectors in order to provide an indication as to which motor protector caused the compressor to stop and Gromala teaches calculating average compressor on and off times in order to determine ambient temperature conditions. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the system of Sharood such that it included monitoring the status of compressor motor protectors in order to provide an indication as to which motor protector caused the compressor to stop in view of the teachings of Wiggs and included calculating average compressor on and off times in order to determine ambient temperature conditions in view of the teachings of Gromala.

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Claim 48 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sharood et al in view of Wiggs and Gromala as applied to claim 38 above, and further in view of Katsuki. Katsuki teaches monitoring the demand signal of a compressor and determining when the compressor current is abnormal in response to the demand signal. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the system of Sharood such that it included monitoring the demand signal of a compressor and determining when the compressor current is abnormal in response to the demand signal in view of the teachings of Katsuki.

Applicant's arguments filed on May 2, 2006 have been fully considered but they are not persuasive. For example, with respect to applicant's contention that there is no suggestion or motivation to combine the teachings of Sharood with Wiggs, it is pointed out that both Sharood and Wiggs are concerned with diagnosing the problems of a system having a compressor. It is the examiner's position that one of ordinary skill in the art would consider it to have been obvious to modify the system of Sharood such that it indicated the which motor protector caused the compressor to stop in view of the teachings of Wiggs. With regard to applicant's contention that Wiggs fails to teach a motor protector, it is noted that the high and low pressure switches are motor protectors since they stop the motor of the compressor when conditions exist that could damage the compressor motor.

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THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harry B. Tanner whose telephone number is (571) 272-4813. The examiner can normally be reached 8:30 am to 5:00 pm Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler, can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://portal.uspto.gov/external/portal/pair.

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Should you have questions on access to the Private PAIR system, contact the

Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Harry B. Tanner Primary Examiner

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